Recipe App version 1.0

Application- Spring Boot
IDE- Eclipse
Front End- Bootstrap
Data- Raw data taken from internet

Use Case 1

Input :Read recipe.json from resources
Output: Sorted list of all recipes. Lambda expression used for sorting based on recipe title.

Result
1. Refer - recipeList() function in Homepage.java controller.
   Scriptlets have been used to refer Utility.java class under util package to read and display sorted list of recipes in _home.jsp._
2. Enter http://localhost:8080/ in the browser to view the result.

Recipe List

Recipes	Link	Ingredients	Images
Barbecued Grilled Portobello Sandwich	Click Here	[mushrooms, barbecue sauce, sandwich rolls, lettuce, tomato]	
Barbecued Grilled Portobello Sandwich	Click Here	[mushrooms, barbecue sauce, sandwich rolls, lettuce, tomato]	
Beef & Portobello Mushroom Stroganoff	Click Here	[mushrooms]	
Blue Ribbon Meatloaf	Click Here	[onions]	
Boiled Ham	Click Here	[ham, onions]	
Broccoli Casserole Recipe	Click Here	[onions]	
Bruschetta With Roasted Garlic and Cherry Tomatoes	Click Here	[garlic, italian bread]	
Bryannas Vegan Dulce De Leche Recipe	Click Here	[rice]	
Cheesy Hot Dog Rice	Click Here	[rice]	
Chicken Salad With Rice Noodles	Click Here	[rice]	
Chicken With Orange Sauce Recipe	Click Here	[rice]	

3. Junit Test Case
   Junit test case implemented to test that recipe.json should not be empty.
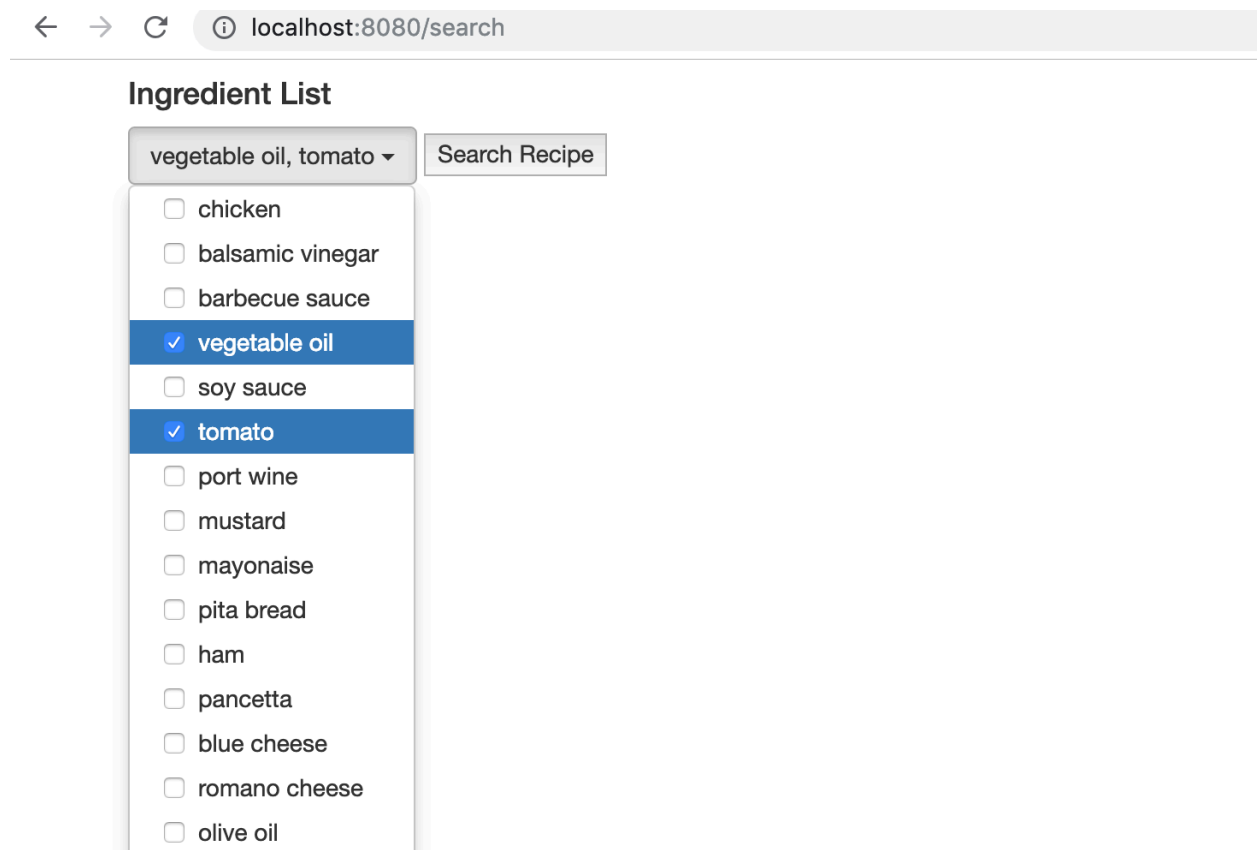   Refer testReadRecipeJson() in UtilityTest.java.

Use Case 2

Input – Read ingredients from recipe.json
Output- View having list of all ingredients from recipe.json with multi-select functionality and search button.

Result
1. Refer listIngredients() function in Homepage.java controller.
   JSTL and EL have been used to understand it's advantage over scriptlets in *ingredients.jsp*
2. Enter http://localhost:8080/search in the browser to view the result.

3. Junit Test Case
   Junit test case implemented to test that ingredients list should not be empty.
   Refer testReadIngredients() in UtilityTest.java.

Use Case 3

Input- Selected Ingredients from use case2.
Output- List of recipes which consists of all the given input ingredients.
For eg.,
1. If input is ["onions"], then it should list down all the recipe's which has onions in the list of ingredients
2. If input is ["onions", "mushrooms"] then it should list down all the recipe's which contains onions and mushrooms in the list of ingredients

Result
1. Refer displayRecipe() function in Hompage.java controller. searchRecipe() function of Utility.java has been used to search recipe based on the selected ingredients.Again JSTL and EL have been used to display recipe. There will be blank screen in case of no recipe of selected ingredients.
2. Enter http://localhost:8080/list in the browser to view the result.

Recipe List

Green Bean Casserole
Boiled Ham
Pulled Chicken Sandwiches (Crock Pot)
Blue Ribbon Meatloaf
Grilled Portobello Mushrooms
Spaghetti with Clams & Corn
Creamy Scrambled Eggs Recipe Recipe
Broccoli Casserole Recipe
Crock Pot Caramelized Onions
Grilled Chipotle Salmon With Pineapple Cilantro Rice
Roast Chicken with Rosemary

3. Junit Test case
   Junit test case implemented to check the list of recipes of selected ingredients
   e.g. {"onions","butter"}. Refer testSearchRecipe() in UtilityTest.java.

Recipe App Version 1.1

In next version data from recipe.json will be stored in the database and rest of the manipulation will be done using database.
Spring with Hibernate will be used.
Database PostgreSQL
Functionality will be included in Dao and Service packages